Tevion TSD-DR40HD User Guide

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1. Introduction

1.1 Purpose

The purpose of this document is to explain setup, performance and common usage of the Tevion DVR TSD-DR40HD Digital Video Recorder (DVR).

The DVR was purchased from Aldi, Brandon Park Shopping Centre, Glen Waverley, Victoria, on the 20th March 2008 for inclusion in our home entertainment system.

1.2 Home Entertainment System Components

Our Home Entertainment System now includes the following components:

- Roof-top Television Antenna providing TV/FM signal
- Television Antenna Booster providing stronger TV/FM signal to two devices
- Three-Way Splitter for feeding TV antenna signal to three devices
- Bang & Olufsen Beomaster 7000 Radio/Amplifier (for quality sound)
- Bang & Olufsen Beocord 8000 Audio Tape Cassette Player
- Toshiba 2918DH Television (**TV**)
- Panasonic NV-HV60 Video Cassette Recorder (**VCR**)
- Tevion TSD-DR40HD Digital Video Recorder & DVD/HDD Recorder (**DVR**)

1.3 Home Entertainment System Remote Controls

Our Home Entertainment System includes the following remote control devices:

- Bang & Olufsen Beolink 7000 Remote Control (large **BRC** for complete control)
- Bang & Olufsen Beolink 1000 Remote Control (small **BRC** for partial control)
- Toshiba 2918DH Television Remote Control (**TRC**)
- Panasonic NV-HV60 Video Cassette Recorder Remote Control (**VRC**)
- Tevion TSD-DR40HD Digital Video Recorder Remote Control (**DRC**)
- Logitech Harmony 880 Universal Remote Control (**LRC**) to replace all of the above

1.4 The Tevion TSD-DR40HD Digital Video Recorder (DVR)

The DVR is capable of processing and recording various video signals into high quality DVD disc and HDD, such as the input signals of TV stations, ordinary disc players and Digital Video cameras.

In addition, the machine has all the functions of an ordinary DVD player. It can record on hard disk and DVD and it can copy from hard disk to DVD.

1.5 Some Technical Terms

TERM	MEANING
BRC	Beomaster Remote Control (s). Small one in bedroom and large one in lounge room.
Button	A button on a Remote Control (shown in Bold Face, e.g. **DVB**) or displayed on screen.
Chapter and Track	Each title can contain one or more "Chapters" or "Tracks"
DRC	DVR Remote Control
DVD	**Digital Versatile Disk**. A removable storage device for video and data files. We make a distinction between: • DVD-R or DVD+R, disks that can be recorded once only. • DVD-RW or DVD+RW, disks that are rewritable. Recordings on rewritable DVD disks can be done in several sessions (prior to disk finalisation). DVDs recorded can always be played back on this device, but to make a recorded DVD playable on a computer and other DVD players a process of "Disk Finalisation" needs to be performed.
DVR	**Digital Video Recorder**. A machine that can record video using digital (rather than analogue) technology. This term is perhaps not used as much as PVR, but is probably the better term.
HDD	**Hard Disk Drive**. A storage device for large amounts of data. The Tevion DVR has an HDD capacity of 400Gb,
Key	A key on a Remote Control (shown in Bold Face, e.g. **HDD**)
PVR	**Personal Video Recorder**. A machine that can record video not just for you but for anyone else who is around.
Recording Quality	This device can record on HDD and DVD in six different densities giving rise to six different levels of recording quality each taking up increasing amounts of space: **SPEED** / **DVD** / **HDD** / **QUALITY** SLP (Super Long Play) 6 hrs 562 hrs Low EP (Extended Play) 4 hrs 371 hrs Moderate LP (Long Play) 3 hrs 261 hrs Normal SP+ (Standard Play +) 2.5 hrs 221 hrs Good SP (Standard Play) 2 hrs 191 hrs Very Good HQ (High Quality) 1 hrs 94 hrs Best
Title	Each recording is called a "Title" or a "program". The term "Title" is also used for a text field associated with a recorded TV program in which you can enter a textual name to identify the program.
TRC	TV Remote Control
VCR	**Video Cassette Recorder.** A machine that can record video on video tape cassettes.
VRC	VCR Remote Control

1.6 Front Panel

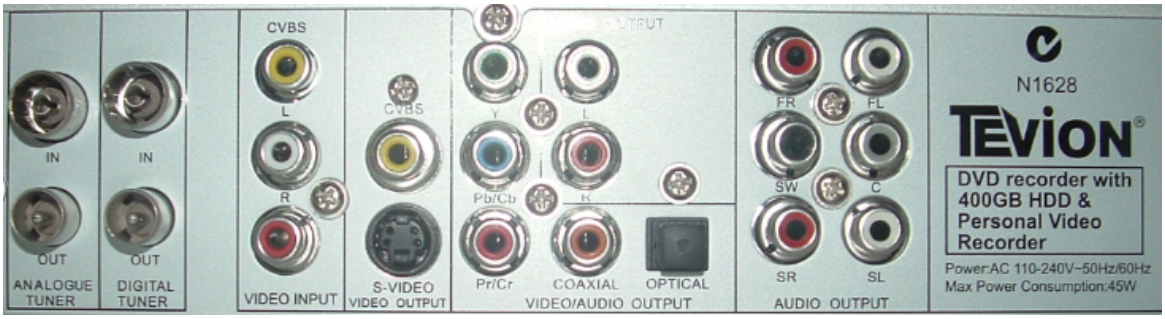
The Front Panel of the DVR allows basic operation without the use of the Remote Control.

On the left is a door leading to some further connection sockets:

1394 DV IN **VIDEO IN** **AUDIO IN** **USB IN**

1.7 Rear Panel

The Rear Panel of the DVR contains a number of sockets allowing connection to other television and hi-fi equipment.



1.8 Power/Mode Indicator

A large circular Power Indicator is located at the right corner on the front of the unit. When the unit is plugged in and powered on, the power indicator will be lit in one of three different colours, depending on the current mode of operation:

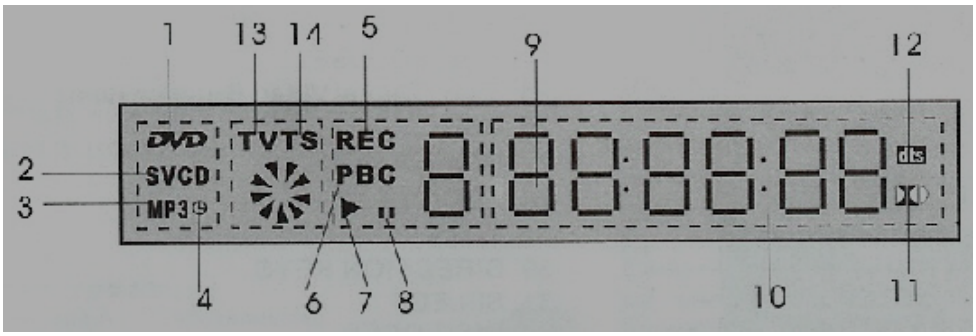
Red Unit is in stand by mode, meaning the unit is currently not in use. Press **STAND BY/ON** button to place it into playback mode.

Blue Unit is in playback mode, meaning the unit is ready for normal operation, such as watching a TV program or playing a DVD.

Purple Unit is in recording mode, meaning the unit is currently recording a program on HDD or DVD. The unit cannot be used for any other purpose (except watching the program being recorded) until the current recording task has been completed.

1.9 Display Panel

The Display Panel of the DVR makes use of a number of Indicators to provide information about what the unit is currently being used for (media type, chapter/track, elapsed time, etc.). The Display panel will be blank, if the unit has been powered off.



1	DVD Indicator	8	Pause Indicator
2	SVCD/VCD/CD Indicator	9	Chapter Indicator
3	MP3 Indicator	10	Elapsed Time Indicator
4	Timer Recording Indicator	11	Dolby Digital Indicator
5	Recording Indicator	12	Surround Sound Indicator
6	Play Back Control (PBC) Indicator	13	TV Indicator
7	Play Indicator	14	Time Shift Indicator

1.10 System Messages

As a result of tasks being initiated by the user, system status and other messages will be displayed on the TV screen.

For example, a couple of minutes prior to a scheduled hard disk recording actually starting, the following message will appear on screen:

Notice:

A timer recording task is preparing to be executed.
Please wait…. Only STOP key can terminate this.

When the recording actually starts, the following system status message will be displayed on screen:

Sys. State: RECORDING

Record To: Hard Disk AS: EP(50min/GB)

Elapsed time: hh:mm:ss Remain Time: hh:mm:ss

When the recording has stopped, the following system status message will be displayed on screen:

Sys. State: STOP

Record To: Hard Disk AS: EP(50min/GB)

Elapsed time: 00:00:00 Remain Space: xx:xx:xx

1.11 Remote Control

The DVR Remote Control (**DRC**) allows operational control of the DVR for television viewing and recording (on DVD or HDD), playing CDs and DVDs as well as recording from/to USB and/or DV devices attached at the front or rear of the unit.

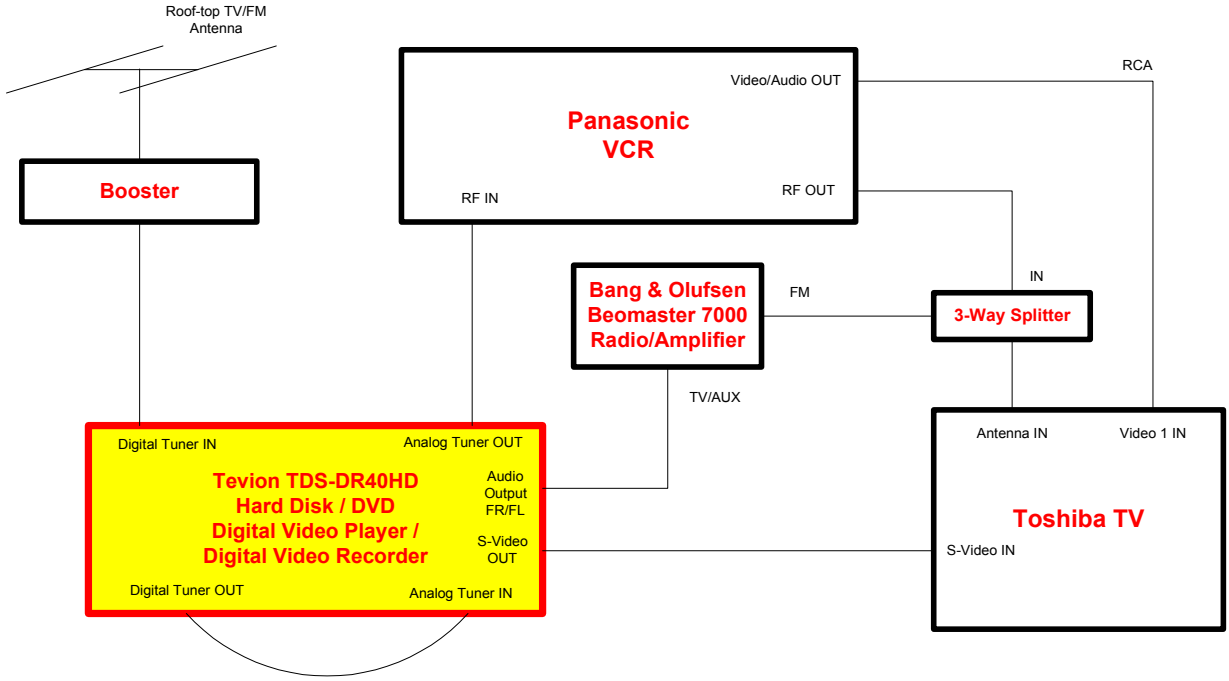
REMOTE CONTROL	BUTTON FUNCTION
	STANDBY/ON Turn DVR **Off** Red Light) or **On** (Blue Light) **OPEN/CLOSE** Open or close DVD tray **DVD** Use DVD for playback or recording **HDD** Use Hard Disk for playback or recording **USB** Use USB device for playback or recording **DVB** Use TV Tuner(s) for playback or recording **Buttons 0-99** Select Program n for playback or recording **ADD/CLEAR** Mark programs for copying from HDD to DVD **NAVIGATION** Enter On-Screen Display (OSD) Navigation Menus **SETUP** Enter Setup Menus **TITLE** Show list of programs, or edit program title **SELECT** Select current choice (also Up, Down, Left, Right) **MENU** Enter Menu system **DISC OPER** Enter DVD editing menus **TIMER** Enter Timer Recording Menus **REC/OTR** Each Press gives 30 mins of One Touch Recording **EDIT** Enter Edit menu for DVD recordings **PLAY** Start or resume playback **STOP** Stop playback (twice to "rewind") **PAUSE/STEP** Pause or move forwards in steps (frames) **MUTE** Turn speakers off or back on **REV** Reverse through current program (DVD or HDD) **FWD** Go forwards in current program (DVD or HDD) **PREV** Go to previous chapter or track (DVD or HDD) **NEXT** Go to next chapter or track (DVD or HDD) **CH+/CH-** Change channel up or down (DVB) **VOL+/VOL** Change volume up or down (DVB, DVD, HDD) **RED** Use for Digital Channel setup and management **GREEN** Use for Digital Channel setup and management **YELLOW** Use for Digital Channel setup and management **BLUE** Use for Digital Channel setup and management **AUDIO** Select an audio track on a disk **SUBTITLE** Enter subtitle language menu (some DVDs) **ANGLE/EPG** Change viewing angle (some DVD) or Open EPG (Radio) **RETURN** Return to upper level menu **REPEAT** Enter Repetition menus (DVD) **SLOW** Slow down HDD/DVD video display speed/Sort HDD program list **ZOOM** Enlarge screen image (3 sizes) **DISPLAY** Show timeline for a few seconds **PROG** Edit program playlist (does not appear to work?) **RANDOM** Play DVD or CD tracks in random sequence **PS/IS** Hold down for 3 secs to toggle TV output format between PS and IS **GOTO** Use with DVD for repositioning by title, chapter or time **SOURCE** Enter Source Selection menu **RADIO** Select from list of digital radio stations **P/N** Toggle TV system between PAL and NTSC **TS/BUF** Enter time shift mode (does not appear to work?)

The **PROG** and the **TS/BUF** buttons do not appear to work. Further investigation or technical support is required to resolve this.

2. Connections

2.1 Connection Diagram

The following diagram provides a pictorial view of the equipment and connections used in our Home Entertainment System.



2.2 Connection Details

Cable connections are shown below to facilitate reconnections should that be required. Most cables are Quad Shielded Radio Frequency (RF) Coaxial type. By utilising the "pass-through/loop" features on both DVR and VCR, the cabling has been made as simple as possible giving priority to the DVR and VRC and leaving only Radio/Amplifier and TV to be connected via a splitter. One socket on Booster and one socket on Splitter are still unused.

Cable Type	Connect One End of Cable To	Connect Other End of Cable To
RF/Coaxial	Antenna socket in wall	Antenna socket on Antenna Booster
RF/Coaxial	TV OUT socket 1 on Booster	Digital Tuner IN socket on DVR
RF/Coaxial	Digital Tuner OUT socket on DVR	Analogue Tuner IN socket on DVR
RF/Coaxial	Analogue Tuner OUT socket on DVR	RF IN socket on VCR
RF/Coaxial	RF OUT socket on VCR	IN socket on 3-Way Splitter
RCA	Video/Audio OUT socket on VCR	Video-1 IN on Toshiba TV
RF/Coaxial	Out socket 1 on 3-Way Splitter	FM Antenna IN on Beomaster 7000
RF/Coaxial	Out socket 2 on 3-Way Splitter	Antenna IN on Toshiba TV
RCA/DIN	Audio Output FR/FL on DVR	TV/Aux socket on Beomaster 7000

3. Initial DVR Set Up Procedure

After all device connections have been accomplished a number of initial setup procedures will need to be performed. Areas shaded in grey may or may not be needed as part of the procedure (they are mostly to do with our particular procedures for powering devices up or down).

3.1 Searching for Australian Analogue TV Channels

Since we are (in Australia) still using analogue TV signals, the available channels need to be configured:

1. On **TRC** press **Power** button to turn on the TV (if not already on).
2. On **TRC** press button until 2 is shown.
3. On **DRC** press **STANDBY/ON** button to turn on the DVR and wait until "No disc" message is shown.
4. On **DRC** press **SETUP** button to enter "Setup" menus and display the "Setup Menu – Recording".
5. On **DRC** press **Right Arrow** button to actually enter "Setup Menu – Recording".
6. On **DRC** press **Down Arrow** button to "Auto Scan Channel" option.
7. On **DRC** press **SELECT** button to start a search for Analogue TV Channels. This will take a few minutes. Each channel found is identified by a program number (Pxxx) and a channel number (CHzzz).
8. The following Analogue TV programs and channel numbers were found and saved, but further setup is required for convenient use of these programs.

   P003 CH002 (should be renamed ABC01)
   P009 CH007
   P011 CH009
   P013 CH010
   P025 CH028 (should be renamed SBS28)
   P028 CH031

9. On **DRC** press **Down Arrow** button to "Program Table" option. Then **Right Arrow** button to get into the menu. Use **Down Arrow** button to move down to an identified channel, e.g. CH002 and pressing the **SELECT** button.
10. On **DRC** press **Up Arrow** button to "Modify Channel" option. Then **Right Arrow** button to get into the menu. Use **Down Arrow** button to move down to the Name field and change it one character at a time to the desired name (e.g. CH002 changed to ABC01) and pressing the **SELECT** button.
11. Repeat Steps 9-10 renaming CH028 to SBS28.
12. These channel names will now appear in the **Source** list.
13. On **DRC** press **SETUP** button to exit "Setup" menus.

3.2 Searching for Australian Digital TV Channels

Since we are (in Australia) beginning to use digital TV signals, the available channels need to be configured.

1. On **TRC** press **Power** button to turn on the TV (if not already on).
2. On **TRC** pressed button until 2 is shown.
3. On **DRC** press **STANDBY/ON** button to turn on the DVR and wait until "No disc" message is shown.
4. On **DRC** press **DVB** button.
5. On **DRC** press **SETUP** button to enter "Setup" menus and display the "Setup Menu – Recording".
6. On **DRC** press **Up Arrow** button to display the "Setup Menu – DVB".
7. On **DRC** press **Right Arrow** button to actually enter "Setup Menu – DVB"
8. On **DRC** press **Down Arrow** button to "Auto Scan Digital Channels" option.
9. On **DRC** press **SELECT** button to start a search for Digital TV Channels. This will take a few minutes. Each channel found is identified by a program number and a channel name.
10. It turns out that the list of 21 available digital TV channels identified by this search actually includes 5 of the 6 available analogue TV channels (only Channel 31 was not found for some reason). In addition, the scan also found 6 digital radio stations (available via the RADIO button).
11. On **DRC** press **SETUP** button to exit Setup menu.

3.3 Complete List of Australian TV Channels found by Scan

The list of 21 TV channels found by the Scan for Digital Channels contains a number of duplicate channels as well as some that are not yet available or deemed not useful.

0001	TEN HD	
0002	TEN Digital	should be deleted (is experimental)
0003	TEN HD	should be deleted (is a duplicate)
0004	SBS	
0005	SBS NEWS	
0006	SBS2	should be deleted (is a duplicate)
0007	Nine Digital	
0008	Nine Digital	should be deleted (is a duplicate)
0009	Nine Guide	should be deleted (is of little interest)
0010	7 Digital	
0011	7 Digital 1	should be deleted (is a duplicate)
0012	7 Digital 2	should be deleted (is a duplicate)
0013	7 Digital 3	should be deleted (is a duplicate)
0014	7 HD Digital	should be deleted (is a duplicate)
0015	7 Guide	should be deleted (is of little interest)
0016	ABC HDTV	should be deleted (is a duplicate)
0017	ABC1	
0018	ABC2	
0019	ABC1	should be deleted (is a duplicate)
0020	ABC3	should be deleted (is a duplicate)
0021	SBS HD	should be deleted (is a duplicate)

3.4 Deleting a TV Channel from List

To get down to the list of useful channels, do the following:

1. On **TRC** press **Power** button to turn on the TV (if not already on).
2. On **TRC** pressed button until 2 is shown.
3. On **DRC** press **STANDBY/ON** button to turn on the DVR and wait until "No disc" message is shown.
4. On **DRC** press **DVB** button.
5. On **DRC** press **SETUP** button to enter "Setup" menus and display the "Setup Menu – Recording".
6. On **DRC** press **Up Arrow** button to display the "Setup Menu – DVB".
7. On **DRC** press **Right Arrow** button to actually enter "Setup Menu – DVB".
8. On **DRC** press **SELECT** to enter "Digital Channel Management" menu and display the current list of available programs and channels.
9. On **DRC** press **SELECT** to enter "Digital Channel Management" menu.
10. Use **CH+** or **CH-** button to highlight channel to be deleted.
11. Press **GREEN** button to mark channel for deletion.
12. Go back to Step 10 until all 14 channels deemed unnecessary have been marked for deletion leaving only 7 relevant ones.
13. Press **SELECT** button twice to confirm deletion and save updated list:

0001	TEN HD	should be reassigned to 0005 CH 10
0002	SBS	should be reassigned to 0001 SBS
0003	SBS NEWS	should be reassigned to 0006 SBS NEWS
0004	Nine Digital	should be reassigned to 0004 CH 9
0005	7 Digital	should be reassigned to 0003 CH 7
0006	ABC1	should be reassigned to 0002 ABC1
0007	ABC2	should be reassigned to 0007 ABC2

3.5 Reassigning Program Numbers for TV Channels in List

To reassign the program number for a given channel, so that the corresponding channel can be invoked by pressing the corresponding number on the numeric button on the DRC, do the following:

1. On **TRC** press **Power** button to turn on the TV (if not already on).
2. On **TRC** pressed button until 2 is shown.
3. On **DRC** press **STANDBY/ON** button to turn on the DVR and wait until "No disc" message is shown.
4. On **DRC** press **DVB** button.
5. On **DRC** press **SETUP** button to enter "Setup" menus and display the "Setup Menu – Recording".
6. On **DRC** press **Up Arrow** button to display the "Setup Menu – DVB".
7. On **DRC** press **Right Arrow** button to actually enter "Setup Menu – DVB".
8. On **DRC** press **SELECT** to enter "Digital Channel Management" menu and display the current list of available programs and channels:

0001	TEN HD	should be reassigned to 0005 and renamed CH 10
0002	SBS	should be reassigned to 0001 and renamed SBS
0003	SBS NEWS	should be reassigned to 0006 and renamed SBS NEWS
0004	Nine Digital	should be reassigned to 0004 and renamed CH 9
0005	7 Digital	should be reassigned to 0003 and renamed CH 7
0006	ABC1	should be reassigned to 0002 and renamed ABC1
0007	ABC2	should be reassigned to 0007 and renamed ABC2

9. Use **CH+** or **CH-** button to highlight channel to be reassigned, e.g. 0002 SBS.
10. Press **BLUE** button and use **CH+** or **CH-** button to move identified channel up or down so as to achieve a new program number, e.g. 0001 SBS.
11. Press **YELLOW** button to confirm the reassignment.
12. Repeat the above until all programs have been assigned the correct program numbers:

0001	SBS
0002	ABC1
0003	7 Digital
0004	Nine Digital
0005	TEN-HD
0006	SBS NEWS
0007	ABC2

All that remains now is for a few of the channels to be renamed.

3.6 Renaming Australian TV Channels in List

To rename a given channel, do the following:

1. On **TRC** press **Power** button to turn on the TV (if not already on).
2. On **TRC** pressed button until 2 is shown.
3. On **DRC** press **STANDBY/ON** button to turn on the DVR and wait until "No disc" message is shown.
4. On **DRC** press **DVB** button.
5. On **DRC** press **SETUP** button to enter "Setup" menus and display the "Setup Menu – Recording".
6. On **DRC** press **Up Arrow** button to display the "Setup Menu – DVB".
7. On **DRC** press **Right Arrow** button to actually enter "Setup Menu – DVB".
8. On **DRC** press **SELECT** to enter "Digital Channel Management" menu and display the current list of available programs and channels:

0001	SBS	
0002	ABC1	
0003	7 Digital	should be renamed CH 7
0004	Nine Digital	should be renamed CH 9
0005	TEN-HD	should be renamed CH 10
0006	SBS NEWS	
0007	ABC2	

9. Use **CH+** or **CH-** button to highlight channel to be renamed, e.g. 0005 TEN HD.
10. Press **YELLOW** button to display an on-screen keyboard. Current name (TEN HD_) is displayed below the keyboard on a yellow background. The last letter of the current name is highlighted on the keyboard (in this case D).
11. Use **CH-** button to move down into the yellow field.
12. Press **GREEN** button to delete all letters in current name.
13. Use **CH+** button to move back into keyboard and highlight the first/next letter of the new name.
14. Press **RED** button to select that highlighted letter.
15. Repeat the above until all letters of new name have been entered, e.g. CH 10.
16. Press **SELECT** button to lock in the new channel name.
17. Repeat the above until all channels have been renamed as required.
18. List of program numbers and channel names are now as required for daily operation:

0001	SBS
0002	ABC1
0003	CH 7
0004	CH 9
0005	CH 10
0006	SBS NEWS
0007	ABC2

4. DVR Set Up Menus in Detail

As demonstrated in the previous chapter, the Setup menus can be accessed by pressing the **SETUP** button on the DRC. Navigation is done by means of the **Right Arrow**, **Left Arrow**, **Up Arrow**, **Down Arrow** and **SELECT** buttons.

Here is a detailed description of each Setup menu.

4.1 Setup Menu – Recording

This menu deals with settings that have an impact on recording of TV programs.

<table>
<tr><th>Submenu</th><th>Comments</th></tr>
<tr><td>Auto Chapter Marker</td><td>Enables a given recording to be divided into time periods or “Chapters” of equal length, so you can skip a certain amount of time forwards or backwards using the NEXT or PREV buttons on the DRC. This would probably not be relevant for recordings that already have a natural division into Chapters, such as classical music videos; for such a recording the feature should be turned Off.

5 Options: 5/10(default)/20/30/Off

Set to 5 mins</td></tr>
<tr><td>Record Quality</td><td>Enables the quality of a recording to be reduced so as to take up less space on the recording media. This device can record on HDD and DVD in six different densities giving rise to six different levels of recording quality each taking up an increasing amounts of space:

<table>
<tr><th>SPEED</th><th>4.7Gb DVD</th><th>HDD</th><th>QUALITY</th></tr>
<tr><td>SLP (Super Long Play)</td><td>6 hrs</td><td>562 hrs</td><td>Low</td></tr>
<tr><td>EP (Extended Play)</td><td>4 hrs</td><td>371 hrs</td><td>Moderate</td></tr>
<tr><td>LP (Long Play)</td><td>3 hrs</td><td>261 hrs</td><td>Normal</td></tr>
<tr><td>SP+ (Standard Play +)</td><td>2.5 hrs</td><td>221 hrs</td><td>Good</td></tr>
<tr><td>SP (Standard Play)</td><td>2 hrs</td><td>191 hrs</td><td>Very Good</td></tr>
<tr><td>HQ (High Quality)</td><td>1 hrs</td><td>94 hrs</td><td>Best</td></tr>
</table>

Choosing the highest quality setting (HQ) would only be of interest for classical music videos, but for ordinary videos the lowest quality setting (SLP) may not be quite good enough (EP will probably be an adequate choice).

Set to EP = Extended Play</td></tr>
</table>

Auto Scan Channel	Enables the initiation of a search for analogue TV channels. Press **SELECT** button to start the SCAN. This makes the unit perform a scan for Analogue TV programs. Each program found is identified by a program number (Pxxx) and a channel number (CHzzz). The following Australian Analogue programs and channel numbers were found by this scan: P003 CH002 (should be renamed ABC01) P009 CH007 P011 CH009 P013 CH010 P025 CH028 (should be renamed SBS28) P028 CH031 Only do this once. If you do it again any editing done via "Modify Channel" will be lost.
Modify Channel	Enables the editing of channel attributes, e.g. channel name. Press **SELECT** button to begin the EDIT. This makes it possible to change channel attributes to other values than those found by the auto scan.
Program Table	Enables selection of a channel, so that you can edit it via "Modify Channel". Done for CH002 and CH028) so that each of these could be renamed as indicated above. SORT

4.2 Setup Menu – Video

This menu deals with settings to do with TV system being used.

Submenu	Comments
TV Type	Enables selection of video system (PAL in Europe and Australia, NTSC in America and Japan 2 Options: PAL (default)/NTSC Set to PAL
TV Display	Enables selection of screen ratio (4:3 or 16:9) 3 Options: 4:3 LB (default)/4:3 PS/16:9 WS Set to 4:3 PS
Video Output Format	Enables selection of output format depending on capabilities of the TV. Modern TVs support Progressive output. 2 Options: Interlaced (default)/Progressive Set to Interlaced (since our old Toshiba TV doesn't support Progressive)

4.3 Setup Menu – Audio

This menu deals with settings to do with audio and speaker system being used.

Submenu	Comments
Analogue Audio Output	Enables selection of speaker setup (2 channel stereo or 5.1 channel surround sound) 2 Options: 2 CH (default)/5.1 CH Set to 2 CH
SPDIF Output	Enables selection of audio file format (Raw digital data or Linear Pulse Code Modulation data) 2 Options: RAW (default)/LPCM Set to RAW
LPCM Output	Enables the selection of audio sampling frequency. 2 Options: LPCM 48K/LPCM 96K (default) Set to LPCM 96K

4.4 Setup Menu – Language

This menu deals with settings to do with language used on menus and displays.

Submenu	Comments
System Language	Enables displays in preferred language. Set to English
Audio Language	Enables displays in preferred language. Set to English
Subtitle Language	Enables displays in preferred language. Set to English
Disk Menu Language	Enables displays in preferred language. Set to English

4.5 Setup Menu – Date/Time

This menu deals with date and time settings of importance for recording of TV programs.

Submenu	Comments
Date/Time Setting	Enables accurate setting of date and time. 3 Options: Auto (default)/Manual/Auto DVB Set to Auto (with Program = P003 ABC02)
Program	P001 ----------
Date (mm/dd/yyyy)	Enables setting of current date. **Caution**: This allows American date format only (month day year)! Displays mm dd yyyy (factory default 01 01 2008) Set to: Current date (**in American date format**)
Time (hh:ss)	Enables setting of current time. Displays hh:mm (factory default 06:24) Set to current time

4.6 Setup Menu – Preferences

This menu deals with settings that have an impact on viewing of TV programs.

Submenu	Comments
Parental Level	Enables the setting of appropriate protection against playback of disks which are not suitable for children unless a password is entered. Set to No Parental Control
Change Password	Enable password change, if Parental Control has been activated and a password has been entered. Press **SELECT** to start the process.
Reset to factory Defaults	Enables the resetting of all options to factory defaults. Press **SELECT** to start the process.
Screensaver	Enables use of a screensaver sourced by default pictures. Press **SELECT** to choose between ON or OFF

4.7 Setup Menu – Time Shifting and Hard Disk Management

This menu deals with settings to do with time shifting and hard disk management.

Submenu	Comments
Time Shift Buffer Mode	Enables selection of time-shift mode (Refresh or Preserve) Press **SELECT** to choose between REFRESH or PRESERVE
Hard Disk Info	Enables display of information about hard disk size. Press **SELECT** to display information.
Space Management	Enables selection of hard disk space management (manual or automatic) if or when hard disk space is exhausted. Manual space management means that if no more space is available on the hard disk a message will be displayed “The hard disk drive is full. Please erase some programs to perform further recording.”. Automatic space management means that if no more space is available on the hard disk will delete oldest recording too make more space available. Set to Manual
Empty Hard Disk	Enables the hard disk to be emptied. All hard disk recordings will be erased. Press **SELECT** to start the process.
Erase Optical Disk	Enables a disk in optical disk drive to be erased. All recordings on the disk will be erased. Press **SELECT** to start the process.

4.8 Setup Menu – DVB

This menu deals with settings to do with Digital TV Channels.

Submenu	Comments
Digital Channel Management	Enables access to Digital Channel Management menu.
Auto Scan Digital Channels	Enables the initiation of a search for digital TV channels. This makes the unit perform a scan for digital TV programs. Each program found is identified by a number and a channel name. In Australia a total of 21 programs may be found, some of which are duplicates or irrelevant. Press **SELECT** button to start the SCAN
Manual Scan Digital Channels	Enables manual scanning for a particular digital channel according to name or frequency. Press **SELECT** to enter Manual Scan of Digital Channels menu.
Favourite Digital Channels	Enables the creation and maintenance of a list of favourite programs. Press **SELECT** to enter Favourite Digital Channels menu.

5. Using the DVR

The Tevion DVR provides a number of useful facilities, including the following:

- Viewing television programs on our favourite channels in good video and audio quality.
- Good quality playback of CDs and DVDs.
- Easy recording of television programs onto hard disk or DVD for later viewing.
- Transfer of recorded programs from Hard Disk to DVDs.
- A function called “time-shifting” allowing the viewing of a television program to be paused, while the continuation of the program is being recorded on hard disk (useful if the phone rings in the middle of viewing).

5.1 Watching TV Live

5.1.1 Watching a TV Program (Digital Video Brodcast) Live

This is probably the most common use we will make of the DVR.

1. On **TRC** press the **Power** button to turn on the TV (if not already on).
2. On **TRC** press the button until 2 is shown.
3. If theBeomaster 7000 is in Stand By mode, press at the centre of the blank polished panel at the bottom of the BRC to activate it. Then on **BRC** first press **Source** on main panel and then press **TV** on blue LCD panel.
4. On **DRC** press the **STANDBY/ON** button to turn on the DVR and wait until “Hello” display on front panel has been replaced by “No disc” message shown on screen.
5. On **DRC** press the **DVB** button (once or twice) to show TV programs from digital channels.
6. On **DRC** use numbered buttons, **Down Arrow**, **Up Arrow**, **CH+** or **CH-** to select program to watch.

5.1.2 Time-Shifting while Watching a TV Program (Digital Video Brodcast) Live

This allows you to take a pause for up to 60 minutes while watching a TV program live, for example to answer the telephone. Not sure yet how to do this. More research required.

1. On **TRC** press the **Power** button to turn on the TV (if not already on).
2. On **TRC** press the button until 2 is shown.
3. On **DRC** press the **STANDBY/ON** button to turn on the DVR and wait until “Hello” display on front panel has been replaced by “No disc” message shown on screen.
4. On **DRC** press the **DVB** button (once or twice) to show TV programs from digital channels.
5. On **DRC** use numbered buttons, **Down Arrow**, **Up Arrow**, **CH+** or **CH-** to select program to watch.
6. On **DRC** press the ?

Found on a Forum: While still in Timeshift mode, press the Record button and hold it for 3 seconds. This will transfer the entire buffer to hard disk.

Question: How do I go into Timeshift mode in the first place?

5.2 Playing Discs

5.2.1 Playing CDs

If an Audio CD is inserted into the Disc Drawer of the DVR it will be played straight away.

1. If theBeomaster 7000 is in Stand By mode, press at the centre of the blank polished panel at the bottom of the BRC to activate it. Then on **BRC** first press **Source** on main panel and then press **TV** on blue LCD panel.
2. On **DRC** press the **STANDBY/ON** button to turn on the DVR and wait until "Hello" display on front panel has been replaced by "No disc" message shown on screen.
3. On **DRC** press **OPEN/CLOSE** button to open the tray.
4. Insert CD in tray.
5. On **DRC** press **OPEN/CLOSE** button again to close the tray. The CD takes a few seconds to load and then starts playing.
6. Use **DRC** to navigate the CD.
7. On **BRC** press **Up Arrow** or **Down Arrow** to adjust the volume.
8. To eject the CD, on **DRC** press **OPEN/CLOSE** button.

5.2.2 Playing DVDs

If a DVD is inserted into the Disc Drawer of the DVR it will be played straight away.

1. On **TRC** press the **Power** button to turn on the TV (if not already on).
2. On **TRC** press the button until is shown.
3. If theBeomaster 7000 is in Stand By mode, on **BRC** press at the centre of the blank polished panel at the bottom of the BRC to activate it. Then press **Source** on main panel and **TV** on blue LCD panel.
4. On **DRC** press the **STANDBY/ON** button to turn on the DVR and wait until "Hello" display on front panel has been replaced by "No disc" message shown on screen.
5. On **BRC** press **Source** on main panel, then **TV** on blue LCD panel
6. On **DRC** press **OPEN/CLOSE** button to open the tray.
7. Insert DVD in tray.
8. On **DRC** press **OPEN/CLOSE** button again. The DVD takes a few seconds to load and then starts playing. If the DVD is one that you have produced using the DVD Recorder built into the DVR an Index Picture Screen will appear on which you can navigate.
9. Use **DRC** to navigate the DVD.
10. On **BRC** press **Up Arrow** or **Down Arrow** to adjust the volume (some adjustment of volume can also be achieved on the **DRC** by pressing the **VOL+** or **VOL-** buttons).
11. To eject the DVD, on **DRC** press **OPEN/CLOSE** button.

5.3 Using the Hard Disk Drive

5.3.1 Watching a TV Program from HDD

When you have successfully recorded a TV program on hard disk you will usually want to watch it a little later.

1. On **TRC** press the **Power** button to turn on the TV (if not already on).
2. On **TRC** press the button until 2 is shown.
3. On **DRC** press the **STANDBY/ON** button to turn on the DVR and wait until "Hello" display on front panel has been replaced by "No disc" message shown on screen.
4. On **DRC** press the **HDD** button to show list of programs recorded on hard disk.
5. On **DRC** use navigation buttons to select program to watch, then press the **SELECT** button.

5.3.2 Recording a TV Program (DVB) Live on HDD

While you are watching a TV program or as soon as it starts, you may want to record it on the hard disk for later viewing. To start such a recording the DVR provides the REC/OTR button ("One Touch Recording").

If you are not already watching the channel on which the program will appear, do the following:

1. On **TRC** press the **Power** button to turn on the TV (if not already on).
2. On **TRC** press the button until 2 is shown.
3. On **DRC** press the **STANDBY/ON** button to turn on the DVR and wait until "Hello" display on front panel has been replaced by "No disc" message shown on screen.
4. On **DRC** press the **DVB** button (once or twice) to show TV programs from digital channels.
5. On **DRC** use navigation buttons to select program to watch, then press the **SELECT** button.

If you are already watching the program you now wish to record, do the following:

6. To start recording the current program for half an hour, on **DRC** press the **REC/OTR** button. A small blue icon will be flashing in the right bottom corner of the TV screen.
7. To extend the recording by another half an hour, on **DRC** press the **REC/OTR** button again. So, to record for 2 hours press the **REC/OTR** button four times.
8. If you look at the Front Panel of the DVR you'll see a time counter showing the amount of time recorded so far.
9. To stop recording prior to the expiry of your chosen multiple of half an hour, on **DRC** press the **STOP** button. The counter on DVR Front Panel will show the total amount of time recorded.

During the recording it will not be possible to use the DVR for anything else other than watching the program being recorded.

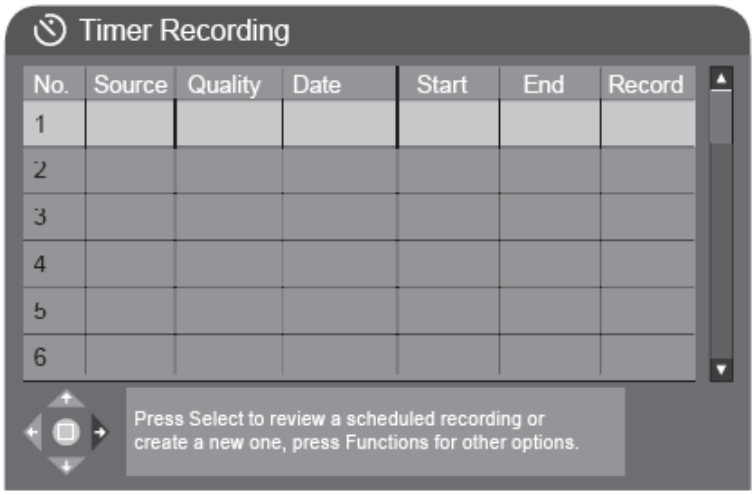
5.3.3 Scheduling the Recording of a TV Program on HDD

Instead of using the One Touch Recording feature as explained above you may prefer to use Timer Recording, whereby you can schedule a program to be recorded at a particular point in time so that you can watch it latervia the HDD.

Warning: This will only work if the unit has the correct Date and Time (can and should be checked from time to time via Setup Menu – Date/Time).

Since the DVR is not connected to the Internet (and no proper Electronic Program Guides are likely to be available anyway for the foreseeable future) we are forced to do the scheduling the long-winded way (entering the data manually).

1. On **TRC** press the **Power** button to turn on the TV (if not already on).
2. On **TRC** press the button until 2 is shown.
3. On **DRC** press the **STANDBY/ON** button to turn on the DVR and wait until "Hello" display on front panel has been replaced by "No disc" message shown on screen.
4. On **DRC** press the **DVB** button (once or twice) to show TV programs from digital channels.
5. On **DRC** press the **TIMER** button to enter the Timer Recording menu:



6. Use the **Down Arrow** button to move to the first blank line in the Timer Recording menu, then press the **SELECT** button and wait a few seconds for the Timer Recording Setup menu to appear:

7. Use the **Down Arrow** button and the **SELECT** button to select the TV channel you wish to record from.
8. Use the **Down Arrow** button to move "Record to", press the Right Arrow button and select HDD.
9. Use the **Down Arrow** button to move to "**Quality**". You can either leave it set at the default quality (EP) or you can change to a higher or lower quality as required.
10. Use the **Down Arrow** button to move to "**Mode**". For **Mode** you can select between several options:
    - **Once** sets up the recording to be done at a particular time but once only
    - **Daily** sets up the recording to be repeated every day at a particular time
    - **Weekly** sets up the recording to be repeated once a week at a particular time
    - **Monthly** sets up the recording to be repeated once a month at a particular time:

11. Use the navigation and numeric buttons to set up **Date**, **Start** time and **End** time. **Warning: The Date is in American Date Format (mm/dd/yyyy)**. Don't forget to put your glasses on when you double-check the date and times you have entered (I am prone to enter 6s instead of 0s, and suffer the consequences).
12. For **Title** it is a good idea to enter an abbreviated title (up to 8 characters) to identify the program being recorded. You can change it later (refer the section on Changing the Title of a TV Program Recorded on HDD).
13. When you are ready, move down to **OK** and press the **SELECT** button.
14. To modify a scheduled recording, select it in the list, press **SELECT** button and make the change(s).
15. To schedule another recording, repeat Steps 6-13.
16. To exit, press the **TIMER** button.
17. To delete a scheduled recording, select it and press the **ADD/CLEAR** button.

The DVR can now be used for other things or be placed in Stand By mode. It will be re-activated at the time the scheduled recording is due to start.

During recording the Power Indicator will change from red to purple. When recording has finished the Power Indicator will change from purple to blue and/or red.

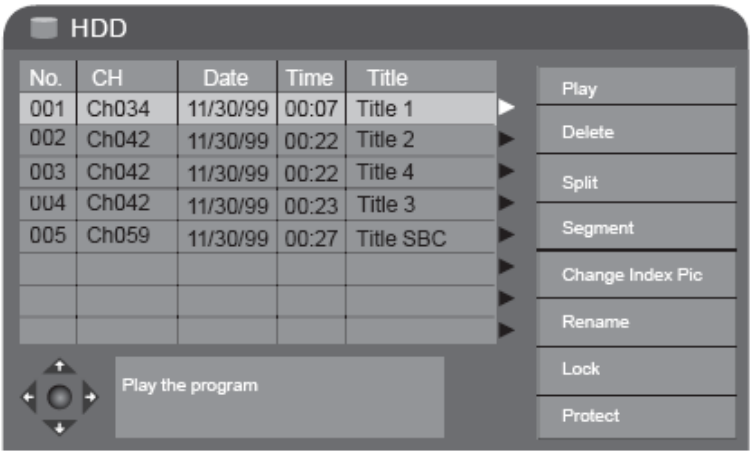
During the recording it will not be possible to use the DVR for anything else other than watching the program being recorded.

Once the recording has been accomplished, the program can be viewed any time from the HDD.

5.3.4 Deleting a TV Program Recorded on HDD

After successfully recording and perhaps viewing a TV program on hard disk you will usually want to delete it to make room for new recordings.

1. On **TRC** press **Power** button to turn on the TV (if not already on).
2. On **TRC** pressed button until 2 is shown.
3. On **DRC** press **STANDBY/ON** button to turn on the DVR and wait until "Hello" display on front panel has been replaced by "No disc" message shown on screen.
4. On **DRC** press **HDD** button to show TV programs recorded on the Hard Disk.
5. On **DRC** use the **Down Arrow** or **Up Arrow** button to highlight the data about the program you wish to delete:
6. On **DRC** press the **Right Arrow** button to display the HDD submenu:



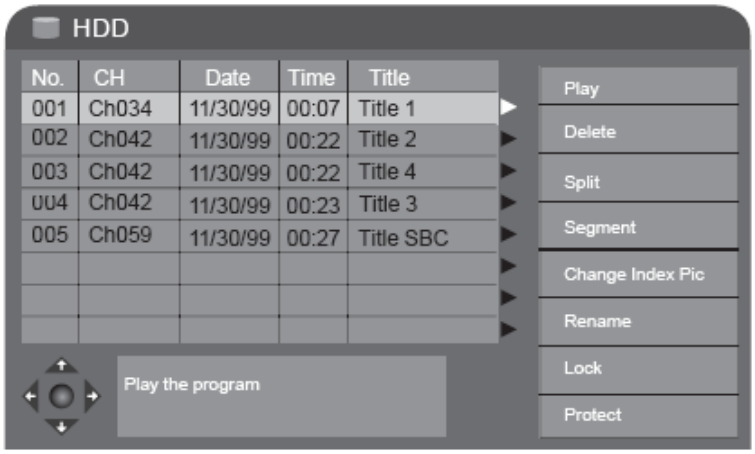
7. On **DRC** use the **Down Arrow** button to select the "Delete" option and press the **SELECT** button.
8. On **DRC** press the **Left Arrow** to Yes and press the **SELECT** button to confirm the deletion.
9. The selected program will have disappeared from the list.
10. To exit, press the **HDD** button one or more times.

5.3.5 Changing the Title of a TV Program Recorded on HDD

After successfully recording and probably before viewing a TV program on hard disk you may want to edit the title of the recording to make it easier to find it.

Unfortunately only a 12-character field is available in which to come up with a good name for the program, albeit abbreviated. However, within those 12 characters you can make use of all uppercase letters, all lowercase letters, all digits and the space character. Entering the new name of the program is done on an on-screen keyboard.

1. On **TRC** press **Power** button to turn on the TV (if not already on).
2. On **TRC** pressed button until is shown.
3. On **DRC** press **STANDBY/ON** button to turn on the DVR and wait until "Hello" display on front panel has been replaced by "No disc" message shown on screen.
4. On **DRC** press **HDD** button to show TV programs recorded on the Hard Disk.
5. On **DRC** use the **Down Arrow** or **Up Arrow** button to highlight the data about the program you wish to delete:
6. On **DRC** press the **Right Arrow** button to display the HDD submenu:



7. On **DRC** use the **Down Arrow** to select "Rename" and press the **SELECT** button:

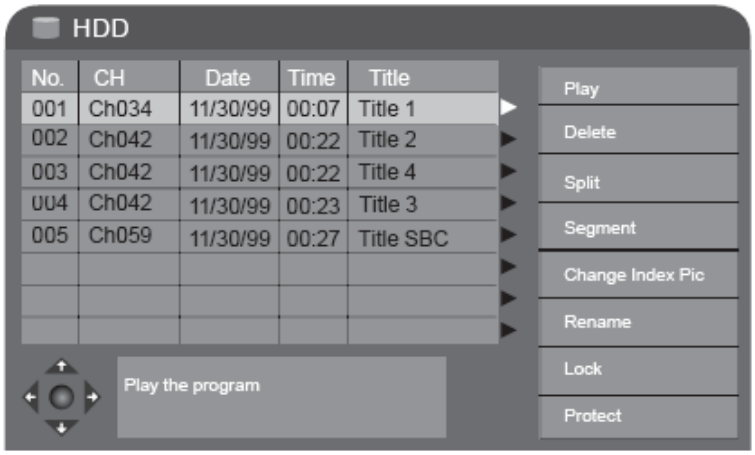
8. On **DRC** press the **Down Arrow** button 3 times and **Right Arrow** button twice to **Backspace** button. Press **Backspace** button several times to delete the old title.
9. Use the navigation keys to move around the Title name keyboard and change the title to something more meaningful (the "Aa" button toggles between the upper and lower case alphabets. Move to **OK** and press **SELECT** button to confirm the new title.
10. To exit, press the **HDD** button one or more times.

5.3.6 Changing the Index Picture of a TV Program Recorded on HDD

In addition to entering a new name for a recorded program you may be able to recognise it just by means of its so-called "Index Picture". The default Index Picture is the very first frame of the recording, but it can be replaced by any other frame found within the recording.

So, you may want to change the Index Picture of the recording to make it easier to find it.

1. On **TRC** press **Power** button to turn on the TV (if not already on).
2. On **TRC** pressed button until 2 is shown.
3. On **DRC** press **STANDBY/ON** button to turn on the DVR and wait until "Hello" display on front panel has been replaced by "No disc" message shown on screen.
4. On **DRC** press **HDD** button to show TV programs recorded on the Hard Disk.
5. On **DRC** use the **Down Arrow** or **Up Arrow** button to highlight the data about the program you wish to delete:
6. On **DRC** press the **Right Arrow** button to display the HDD submenu:



7. On **DRC** use the **Down Arrow** to select the "Change Index Picture" option and press the **SELECT** button:

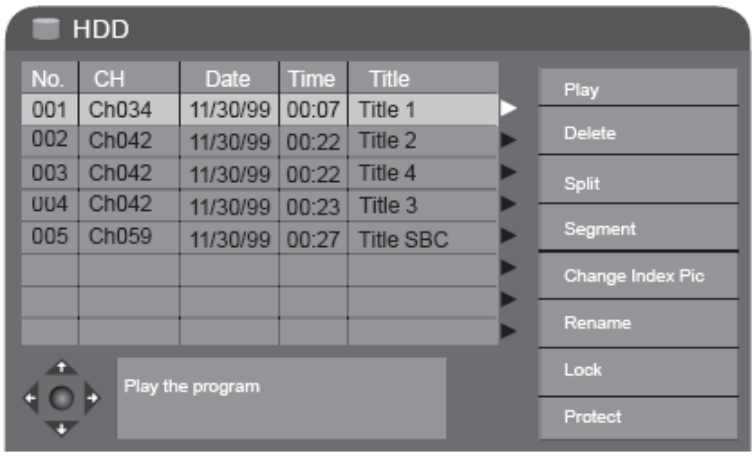
8. The program starts playing straight away and when you see a new picture on screen that you think is a good one for the program in question, press **SELECT** button to change the Index picture.
9. To exit, press the **HDD** button one or more times.

5.3.7 Hiding Unwanted Segments from a TV Program Recorded on HDD

It is possible to hide unwanted segments, such as advertisements, from an existing HDD recording so that they are skipped during playback (or dubbing from HDD to DVD).

To define and mark a segment for hiding during playback, do the following:

1. On **TRC** press **Power** button to turn on the TV (if not already on).
2. On **TRC** pressed button until 2 is shown.
3. On **DRC** press **STANDBY/ON** button to turn on the DVR and wait until "Hello" display on front panel has been replaced by "No disc" message shown on screen.
4. On **DRC** press **HDD** button to show TV programs recorded on the Hard Disk.
5. On **DRC** use the **Down Arrow** or **Up Arrow** button to highlight the program for which you wish to do the segmentation:
6. On **DRC** press the **Right Arrow** button to display the HDD submenu:



7. Select the **Segment** option. The program automatically starts playing from the beginning, but you can use the playback navigation keys (**NEXT**, **PREV**, etc.) to move to anywhere within in the program. Try using the **PAUSE/STEP** button to advance one frame at a time.
8. Once you have arrived at the point in the program, where you wish to cut out a portion of the recording, press the **SELECT** button to mark the beginning of that segment. Watch as playback continues. When you have reached the point where you want the hidden segment to end, press the **SELECT** button again to mark the end of that segment.
9. In this manner you can define several undesirable segments within one program. The marked segments appear in Purple on the timeline and they will all be ignored on playback

10. To exit, press the **HDD** button one or more times.

Segmentation as described above is a little tedious and very time-consuming. It is probably not worth it for a recording you only see once before you delete it. But for some recordings of a more permanent nature, it may be worth the effort. To do it accurately, however, takes a bit of practice. Accuracy is claimed to be within 0.5 seconds.

5.4 Using the DVD Recorder

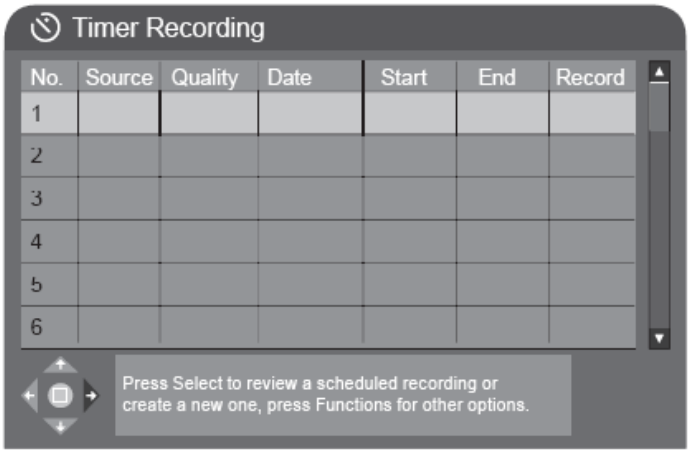
5.4.1 Scheduling the Recording of a TV Program on DVD

Even though it is preferable and much more flexible to do your recordings on the hard disk (HDD) there may be occasions when you will want to schedule a TV program to be recorded straight to a DVD. You may, for example, have been asked to record a program for someone else, in which case a DVD is the way to go.

Once the recording has been accomplished, the DVD can be played straight away on the DVR, or you can add other programs to the DVD until there is no more space left on the DVD.

It is important to realise, however, that the DVD cannot be played on a computer or on another DVD player until it has gone through the process of Disk Finalisation (refer Finalising a DVD for External Use).

1. On **TRC** press the **Power** button to turn on the TV (if not already on).
2. On **TRC** press the button until 2 is shown.
3. On **DRC** press the **STANDBY/ON** button to turn on the DVR and wait until "Hello" display on front panel has been replaced by "No disc" message shown on screen.
4. On **DRC** press the **DVB** button (once or twice) to show TV programs from digital channels.
5. On **DRC** press the **TIMER** button to enter the Timer Recording menu:



6. Use the **Down Arrow** button to move to the first blank line in the Timer Recording menu, then press the **SELECT** button and wait a few seconds for the Timer Recording Setup menu to appear:

7. Use the **Down Arrow** button and the **SELECT** button to select the TV channel you wish to record from.
8. Use the **Down Arrow** button to move "Record to", press the Right Arrow button and select **DVD**. Make sure you insert a recordable DVD-R or a rewritable DVD-RW in tray well before the time at which the recording is scheduled to start.
9. Use the **Down Arrow** button to move to "**Quality**". You can either leave it set at the default quality (EP) or you can change to a higher or lower quality as required.
10. Use the **Down Arrow** button to move to "**Mode**". For **Mode** you can select between several options:
    - **Once** sets up the recording to be done at a particular time but once only
    - **Daily** sets up the recording to be repeated every day at a particular time
    - **Weekly** sets up the recording to be repeated once a week at a particular time
    - **Monthly** sets up the recording to be repeated once a month at a particular time:

11. Use the navigation and numeric buttons to set up **Date**, **Start** time and **End** time. **Warning: The Date is in American Date Format (mm/dd/yyyy)**. Don't forget to put your glasses on when you double-check the date and times you have entered (I am prone to enter 6s instead of 0s, and suffer the consequences)
12. For **Title** it is a good idea to enter an abbreviated title (up to 8 characters) to identify the program being recorded.
13. When you are ready, move down to **OK** and press the **SELECT** button.
14. To modify a scheduled recording, select it in the list, press the **SELECT** button and make the change(s).
15. To schedule another recording, repeat Steps 6-13.
16. To exit, press the **TIMER** button.
17. To delete a scheduled recording, select it and press the **ADD/CLEAR** button.

During the recording it will not be possible to use the DVR for anything else other than watching the program(s) being recorded.

Once the recording has been accomplished, the program can be viewed from the DVD but only on the DVR. If you want the DVD also to be viewable on a computer or another DVD player, the DVD must be finalised (refer section on Finalising a DVD for External Use).

5.4.2 Compiling a DVD by Copying from HDD to DVD

Instead of recording straight to a DVD it is much more flexible to compile the contents of a DVD from recordings on the hard disk. Consequently, it makes sense to always record on the hard disk rather than on DVD (except in special circumstances).

The process of copying from HDD to DVD (sometimes called "dubbing") allows you to put together a series of programs in a particular sequence, provided there is enough space on the DVD.

Before you do the copying you may wish to edit the data about one or more of the HDD recordings, for instance, changing titles or index pictures. You may even want to clean up the contents using the procedure described in Hiding Unwanted Segments from a TV Program Recorded on HDD).

To copy one or more programs from HDD to DVD, do the following:

1. On **TRC** press the **Power** button to turn on the TV (if not already on).
2. On **TRC** press the button until is shown.
3. On **DRC** press the **STANDBY/ON** button to turn on the DVR and wait until "Hello" display on front panel has been replaced by "No disc" message shown on screen.
4. On **DRC** press **OPEN/CLOSE** button to open the tray.
5. Insert a blank or at least a non-finalised DVD in tray.
6. On **DRC** press **OPEN/CLOSE** button again to close the tray and wait for disk to load. A small "Loading" icon will show in the bottom right corner, eventually to be replaced by a blue "Ready" icon. Once this has been achieved you can proceed with Step 7.
7. On **DRC** press **HDD** button to display list of programs on hard disk.
8. You can now select one or more programs for dubbing (copying) to DVD. The order in which you do the selection (by carrying out Steps 9-10) will determine the order in which the programs are added to the DVD.
9. On **DRC** use **Down Arrow** or **Up Arrow** button to highlight a program to be copied to DVD.
10. On **DRC** press **ADD/CLEAR** button to actually select the highlighted program for dubbing. A red "dubbing" icon will appear on the left next to a selected program.
11. As you select (or de-select) a program, the disk capacity information in top right corner will be updated. If a selected program won't fit, an error message of "DVD is full" will be displayed and you'll need to de-select one or more programs to make more space available.
12. Repeat Steps 9-10 until all required programs have been selected for dubbing.
13. On **DRC** press **HDD** button to start the copy process.
14. Wait until the copy process has terminated before you do anything else.
15. On **DRC** press **HDD** button to return to viewing.
16. Consider finalising the DVD (refer section on Finalising a DVD for External Use).

5.4.3 Finalising a DVD for External Use

After you have recorded or copied one or more TV programs onto a DVD the DVD can be played straight away on the DVR, but it cannot be played on a computer or on another DVD player until it has gone through a process known as "Disk Finalisation".

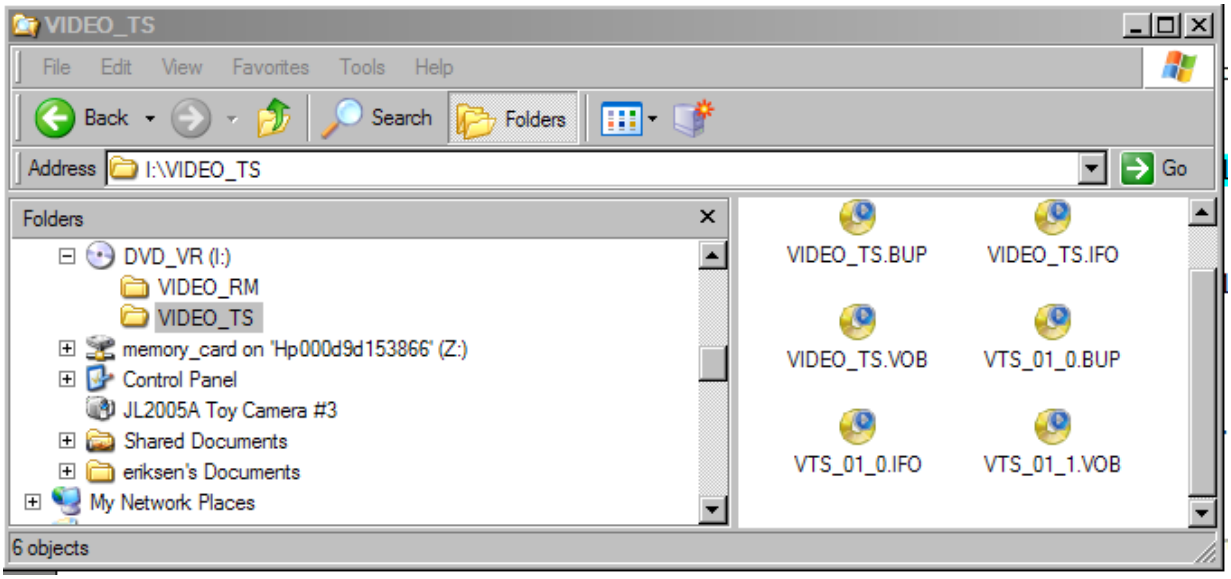
1. On **TRC** press the **Power** button to turn on the TV (if not already on).
2. On **TRC** press the button until is shown.
3. On **DRC** press the **STANDBY/ON** button to turn on the DVR and wait until "Hello" display on front panel has been replaced by "No disc" message shown on screen.
4. On **DRC** press **OPEN/CLOSE** button to open the tray.
5. Insert DVD in tray.
6. On **DRC** press **OPEN/CLOSE** button again to close the tray and wait for disk to load.
7. On **DRC** press **DISC OPER** button.
8. On **DRC** move down to the "**Finalisation**" option and press the **SELECT** button to display the following message:

   WARNING: This operation will finalise the DVD+R disk in loader. If finalised it can not record new content any more. Are you sure to continue?
   YES NO

9. On **DRC** move to **YES** button and press the **SELECT** button to display the following message:

   Total process needs a few minutes. Do not power off. Working now …

10. After finalisation the DVD can be played on most stand-alone DVD players.
11. After finalisation the DVD can also be played on a computer. It will contain folders and files similar to the following:



12. To play the DVD on a computer you may need to double-click one of the VOB files, e.g. VIDEO_TS.VOB.
13. To play the DVD on a stand-alone DVD player follow procedures for that device.

6. Troubleshooting, Warranty and Technical Support

6.1 Troubleshooting Guide

The following table is an edited version of information compiled from original documentation and documentation for other similar units found on the Internet.

Symptom	Possible Cause	Remedy
No Power	1. Power cable disconnected 2. Power cable defective 3. The power is switched off at the socket	1. Connect to the power supply 2. Try again or replace the cable with a new one 3. Switch on the wall switch
No Sound	1. Incorrect cable connection 2. The disc is deformed or dirty 3. The system has been muted	1. Review cable connections 2. Clean or fix the disc. 3. Press the Mute button
No Picture	1. Incorrect cable connection 2. Incorrect TV mode 3. Video output format set to Progressive but your TV system accepts Interlace only	1. Review cable connections 2. Adjust the TV/AV mode (see TV instructions) 3. Hold down PS/IS button for more than 3 seconds
No Colour	1. Wrong selection of TV system 2. Improper colour adjustment on TV 3. Incorrect video output settings	1. Change the TV system via Setup 2. Readjust the colour. (See TV instructions) 3. Check if the video output settings are correct
Disc can't be played	1. No disc in the drive 2. Disc placed incorrectly, e.g. upside down 3. Moisture has condensed in the unit 4. Not in play mode 5. Wrong disc format 6. Disc is dirty	1. Insert a disc 2. Put the disc on the tray properly 3. Leave the unit on for about an hour (without disc) before using it again 4. Press the play button to switch to play mode 5. Replace it with a supported disc 6. Clean the disc with a soft cloth from the centre to the edge
Remote Control malfunction	1. The remote control is not directed at the sensor 2. The distance to receiver is more than 8 meters 3. Batteries are flat 4. This is an obstacle between the unit and the remote control	1. Direct the remote controller at the sensor 2. Reduce the distance 3. Replace the batteries 4. Remove the obstacle
Temporary playback problem	1. Bad disc quality 2. Static interference from the outside	1. Wait for 5-10 seconds and the playing may be restored 2. Turn off the unit for 1-2 minutes and turn on again
Picture dividing	1. The selected TV output format is incompatible with the TV	1. Hold down PS/IS button for more than 3 seconds to switch video output format
Disc can't be recorded	1. Incorrect cable connection 2. No disc or non-recordable disc 3. The disc has been finalised 4. There is no free space on the disc	1. Connect properly 2. Insert a recordable disc 3. Change to a different disc 4. Insert new disc
Timer recording can't be done	1. The disc is not DVD±R or DVD±RW 2. Wrong time settings (System Clock or Recording Time	1. Replace it with a new DVD±R or DVD±RW disc 2. Set up the time again
Recording aborted	1. There is no more free space on the disc 2. Bad disc quality	1. Replace it with a blank disc 2. Replace it with a high quality disc
Unit only displays HELLO	1. Signal connection between the decoder board and HDD is loose 2. HDD is damaged.	1. Follow warranty instructions

6.2 Warranty

The unit purchased from Aldi, Australia comes with a 60-day return period (no questions asked) and a 12-month warranty period (repair or replacement). Extended warranty was not available from Aldi. Technical assistance is available by phone (probably a Call Centre somewhere).

ITEM	DETAILS
Brand Name	Tevion
Product Description	DVD recorder with 400Gb HDD & Personal Video Recorder
Model Number	TDS-DR40HD
Serial Number	TSD-DR40HD030803473
Retailer	Aldi, Brandon Park, Glen Waverley, Australia
Date of Purchase	21 April 2008
Return Period Ends:	21 June 2008
Warranty Period Ends:	21 April 2009
Help Line Phone Number	1300 726 642
Pebble Electronics	The company looking after warranty and service claims in Melbourne.

6.3 Help Line Queries

After purchasing the Tevion TSD-DR40HD I experienced a few problems and for some of them I contacted After Sales Support in Melbourne on 1300 726 642 for Technical Assistance:

Documentation Problem: The Quick Setup Guide provided with the unit is for the wrong model (TDVD08). Can you provide a Quick Setup Guide for the correct unit (TSD-DR40HD)? Are you able to email me a softcopy of this document?

2008-05-06 12:45: A technician will call back at the latest tomorrow to assist with your problems.

2008-05-08 11:45: Irene from Tebble Electronics (not sure the name is correct, since it can't be found in Yellow Pages):

Promised to arrange for a softcopy of the TSD-DR40HD Quick Setup Guide to be emailed to svencsh@optushome.com.au.

Logo Display Problem: After recording a couple of programs on a DVD, part of the title menu is obscured during playback by the Tevion logo being displayed in the background in the middle of the screen. Can this display of the logo be turned off?

2008-05-08 11:45: Irene from Tebble Electronics:

Unfortunately the answer is NO. The logo cannot be turned off.

Date Format Problem: The Current date is in American date format mm/dd/yyyy, despite the Instruction Manual (page 22) listing it as dd/mm/yyyy, which is Australian standard. Can this be fixed?

2008-05-08 11:45: Irene from Tebble Electronics:

Unfortunately the answer is NO: The unit only handles American date format.

TV Display Problem: Picture has gone black & white, and there are two pictures side-by-side. Occurred after pressing some of the undocumented buttons on the DVR Remote Control (PROG, RANDOM, PS/IS, RADIO, P/N). It was still possible to use the SETUP menu, although screen was difficult to read.

2008-05-10: Sven: No need for calling technical support on this problem since I managed to solve it myself by consulting the Troubleshooting Guide of the downloaded WINTAL DVDRX250, not the TEVION TSD-DR40HD. The WINTAL DVDRX250 document had a "Picture dividing" entry in the Troubleshooting Guide pointing me in the right direction.

Problem turned out to be caused by my experimentation with the undocumented buttons on the DRC, specifically me pressing and holding the PS/IS button for more than 3 seconds thereby switching TV output format from Interlaced to Progressive. Our TV is too old to support Progressive Scan output.

Fixed via DRC by SETUP > SETUP VIDEO > Video Output Format > Interlaced.

Obviously the PS/IS button should be left alone.

Undocumented Remote Control Buttons: What is the purpose of the PROG and RANDOM and buttons and how do you use them?

yyyy-mm-dd hh:mm: name:

text:

Play Back Control (PBC) Indicator: What will turn the PBC indicator on and off? What is PBC?

yyyy-mm-dd hh:mm: name:

text:

header: text

yyyy-mm-dd hh:mm: name:

text:

7. Conclusion

On the whole my experience with purchasing, setting up and using the Tevion TSD-DR40HD as part of our home entertainment environment has been a positive one so far. This unit had to be replaced 3 weeks into the warranty period because of a faulty disk drive, but hopefully we now have a facility and a setup that will last us for a couple of years until the global and Australian introduction of digital TV forces us once again to invest more monies in new equipment. My only concern, based partly upon negative comments on the Internet, is that the unit may develop hardware faults, but at least there is a service agent in Melbourne (Pebble Electronics).

One problem was that the documentation supplied with the device was woefully inadequate, hence this document, which is available as a PDF file at the following webpage:

http://members.optushome.com.au/eriksens/documents/teviondr40hduserguide.pdf

Please send me email if you wish to comment on the contents of the document.

My wife is still of the opinion that we should retain the good old VCR, and indeed there have been occasions when we have wanted to see three TV programs all being telecast at the same time. The solution then has been to record one on the VCR, another on the DVR and view the third one live on TV. Also, she is not impressed with the many remote controls we now have lying around. However, an alternative is to make all of these redundant by means of a programmable Remote Control such as the Logitech Harmony 880 Remote Control.

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